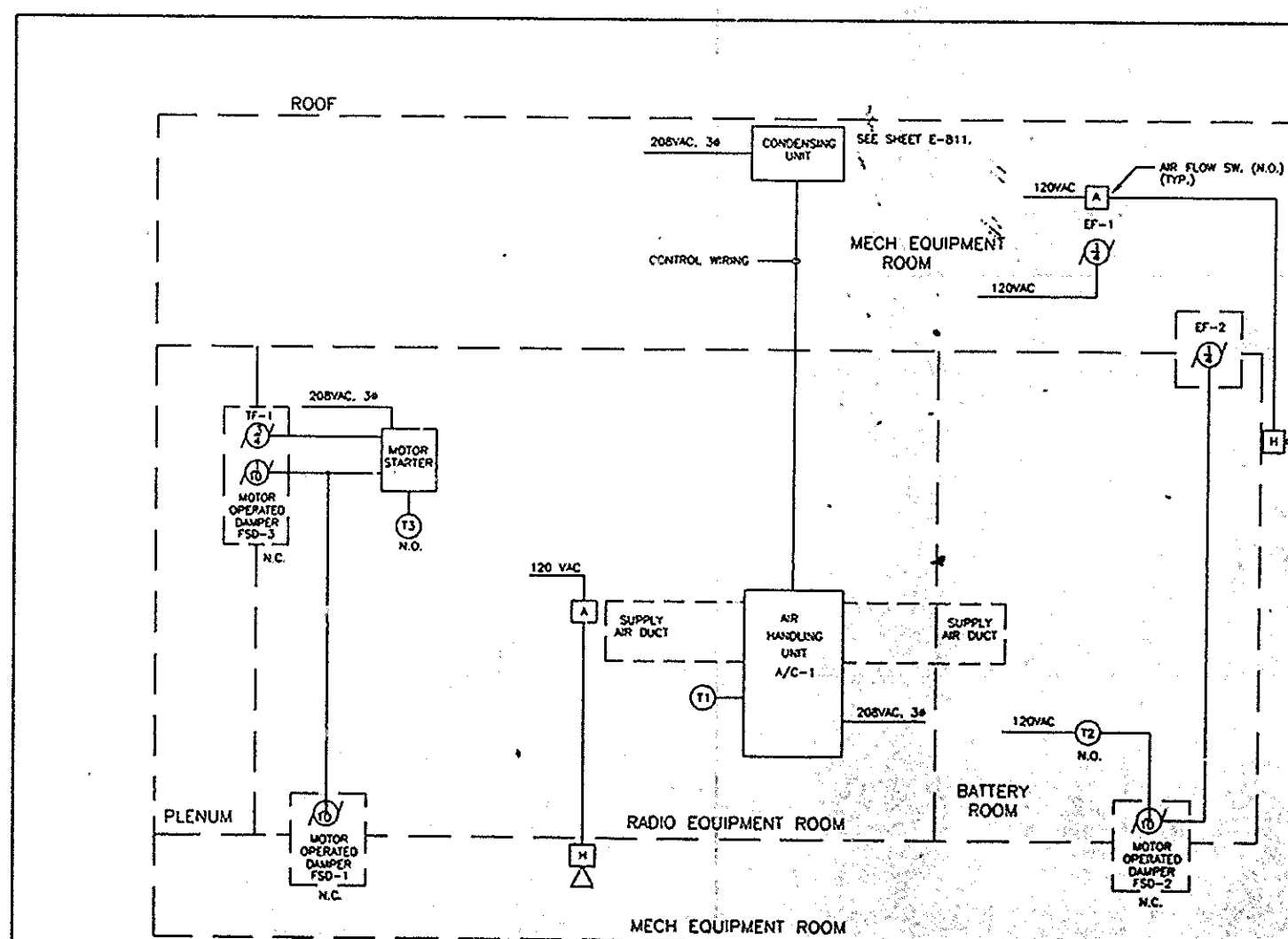


ONE-LINE DIAGRAM  
NOT TO SCALE



## HVAC CONTROL SYSTEMS SCHEMATIC

## CABLE AND CONDUIT SCHEDULE

|    |  |
|----|--|
| 40 | 4-1/2 250MCM 4-1-1/2 E2C IN 5°C  |
| 41 | 4-1/2 #1/0 4-1-1/2 E2C IN 2°C  |
| 42 | 4-1/2 #1/0 4-1-1/2 E2C IN 2°C  |
| 43 | 3-1/2 #3 1-1/2 #1/0 4-1-1/2 E2C IN 2°C                                       |
| 44 | 3-1/2 #4 1-1/2 #1N, 4-1-1/2 E2C IN 1-1/2°C                                   |
| 45 | 3-1/2 #4 1-1/2 #1N, 4-1-1/2 E2C IN 1-1/2°C                                   |
| 46 | 3-1/2 #4 1-1/2 #1N, 4-1-1/2 E2C IN 1-1/2°C                                   |
| 47 | 4-1/2 #2 4-1-1/2 E2C IN 1-1/2°C  |
| 48 | 3-1/2 #6 4-1-1/2 #10G IN 1-1/4°C   |
| 49 | 3-1/2 #6 4-1-1/2 #10G IN 1-1/4°C   |
| 50 | 3-1/2 #3 1-1/2 E2C 3/4", 4-1-1/2 E2C IN 2°C                                  |
| 51 | 1-1/2 #1/0 C IN 3/4" EXTERNALLY WELDED TO BUILDING STRUCTURE COLUMN C-14/21. |
| 52 | 1-1/2 E2C IN 3/4" EXTERNALLY WELDED TO BUILDING STRUCTURE COLUMN C-14/21.    |
| 53 | 2-1/2 #1/0 4-1-1/2 #1/0 G IN 2-1/2°C   |
| 54 | 2-1/2 #12 4-1-1/2 #12S IN 3/4°C  |
| 55 | 2-1/2 #12 4-1-1/2 #12S IN 3/4°C  |
| 56 | 3-1/2 #12 4-1-1/2 #12S IN 3/4°C  |
| 57 | 2-1/2 #12 4-1-1/2 #12S IN 3/4°C  |
| 58 | 3-1/2 #6 4-1-1/2 #10G IN 1-1/4°C   |
| 59 | 2-1/2 #5 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 60 | 2-1/2 #6 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 61 | 2-1/2 #5 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 62 | 2-1/2 #5 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 63 | 2-1/2 #5 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 64 | 2-1/2 #6 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 65 | 2-1/2 #6 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 66 | 2-1/2 #6 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 67 | 2-1/2 #6 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 68 | 2-1/2 #6 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 69 | 2-1/2 #6 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |
| 70 | 2-1/2 #6 4-1-1/2 #10G IN 1 1/2" C. SEE DWG. E-807                            |

Sheet 103 of 110



**THE PORT AUTHORITY  
OF NY & NJ**



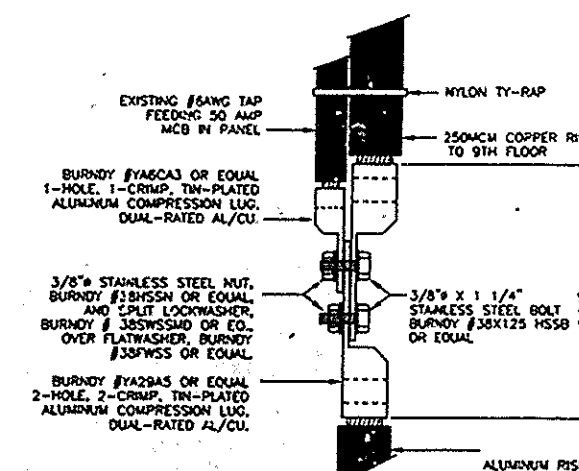
ORIGINAL SIGNED & SEALED BY  
N.Y. P.E. (OR RA)

**Ram Communications Consultants, Inc.**  
10 Woodbridge Center Drive  
Woodbridge, NJ 07095  
(908) 636-6370 fax (908) 636-7260

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. NYC-4451 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 1/16/98 William A. Ashman  
SPEC. WRITER

DATE 4/10/98 P.K. Jewery  
ENGINEER OF DESIGN



## NOTES

1. INSULATE SPICES WITH FIVE COMPLETE WRAPS OF UL LISTED ELECTRICAL TAPE (NOT SHOWN). EXTEND TAPE WRAPPINGS TWO INCHES BEYOND ENDS OF LUGS.
2. STAGGER SPICES VERTICALLY IN PANEL GUTTER.

FEEDER SPLICE DETAIL  
NOT TO SCALE

Title **STANDBY POWER**  
**5 WORLD TRADE CENTER**

## COMMUNICATIONS

**ONE LINE DIAGRAM,  
CABLE AND CONDUIT  
SCHEDULE AND DETAILS**

This drawing subject to conditions in contract.  
All inventions, ideas, designs and methods  
herein are reserved to Port Authority and  
may not be used without its written consent.

|                            |                         |                           |
|----------------------------|-------------------------|---------------------------|
| <u>D.S.</u><br>Designed by | <u>D.S.</u><br>Drawn by | <u>D.S.</u><br>Checked by |
| Date                       | Scale NONE              |                           |
| Contract Number            | Drawing Number          |                           |
| WTC-945.071                | E-806                   |                           |